



# UNITED STATES PATENT AND TRADEMARK OFFICE

*cm*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/631,096	07/31/2003	Richard E. Henderson	123745.00003	3489
<div>7590 Raffi Gostanian, Jr. Jackson Walker, L.L.P. Suite 600 2435 North Central Expressway Richardson, TX 75080</div>			<div>EXAMINER ZAIDI, SYED</div>	
			<div>ART UNIT 2616</div>	<div>PAPER NUMBER</div>
			<div>MAIL DATE 09/12/2007</div>	<div>DELIVERY MODE PAPER</div>

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/631,096

Applicant(s)

HENDERSON ET AL.

Examiner

Syed Zaidi

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
  2. Ascertaining the differences between the prior art and the claims at issue.
  3. Resolving the level of ordinary skill in the pertinent art.
  4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
3. **Claims 1- 24** are rejected under 35 U.S.C. 103(a) as being unpatentable by **Victor et al.**, (US Publication # 2004/0080285 A1) in view of **Bremer et al.**, (US Publication # 2004/0042510 A1).

**Consider claim 1, Victor et al.**, clearly show and disclose a method for providing high speed, digital telecommunications service from a site of an existing telecommunications serving area interface comprising a first enclosure (Figure # 13 element 434) wherein subscriber lines are cross-connected (Paragraph 0018 lines 6-16) to a telecommunications trunk (Paragraph 0110 lines 6-13, Figure 13, element 446) to provide voice telecommunications services to subscribers (Figure 13, element 440) through said subscriber lines (Paragraph 0105 lines 5-10, figure 13, element 442), the method

comprising the steps of providing an enlarged enclosure at the site of said first enclosure (Paragraph 0064 lines 13-17) incorporating into said enlarged enclosure, along with feeder and distribution blocks( Figure 14 element 480, CO and is is connected by elements 482, 484, 486 are connected by Switches 472, 478, 476, 474) a broadband electronic multiplexer connected (Paragraph 0111 lines 16-21) to a provider through a high- speed interface (Paragraph 0111 lines 15-20 and figure 14 , element 492 (terminal adapter which is a interface)) and connecting said multiplexer through plural data connections to said distribution blocks (Paragraph 0111 lines 7-15 and figure 14 , elements 472, 474, 476, 478 are switches and elements 480,482, 484 are central office location and connected bidirectional interface) thereby providing high speed (Paragraph 0107 lines 5-10), digital telecommunications service at (Paragraph 0115 lines 6-10 and figure 14, elements 488 (central office which include digital subscriber line access DSLM 596, Public switch (PSTN) 602) least to selected ones of said subscribers (Paragraph 0105 lines 5-12). However, **Victor et al.**, do not clearly disclose enlarged enclosure, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the distribution method disclosed by **Victor et al.**, for the purpose of secure distribution of traffic through a secure port.

**Consider claim 2, Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose a method for providing digital subscriber line service from a site of an existing telecommunications serving area interface comprising a first enclosure wherein subscriber lines are cross-connected to a telecommunications trunk to provide voice telecommunications (Paragraph 0110 lines 6-13, element 448) services to subscribers through said subscriber lines (Paragraph 0018 lines 6-16) the method comprising the steps of: providing an

Art Unit: 2616

enlarged enclosure at the site of said first enclosure (Paragraph 0064 lines 13-17) incorporating into said enlarged enclosure, along with feeder and distribution blocks, a digital subscriber line access multiplexer (Paragraph 0111 lines 16-21) connected to a digital subscriber line provider through a high-speed interface (Paragraph 0111 lines 7-15 and figure 14 , elements 472, 474, 476, 478 are switches and elements 480,482, 484 are central office location and connected bidirectional interface) and connecting said digital subscriber line access multiplexer through plural data connections to said distribution blocks, thereby providing digital subscriber line service at least to selected ones of said subscribers (Paragraph 0115 lines 6-10 and figure 17, elements 592 (central office which include digital subscriber line access DSLM 596, Public switch (PSTN) 602) least to selected ones of said subscribers (Paragraph 0105 lines 5-12). However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2



Art Unit: 2616

(Distribution loop 9001-9008), 9005 (cross connect cabinet) F1

(Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 3, Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose a method of retrofitting a telecommunications serving -area interface comprising an enclosure, and feeder and distribution blocks within said enclosure, the distribution blocks being connected to a plurality of subscribers through subscriber lines (Paragraph 01110 lines 6-13) the feeder blocks being connected to a telecommunications trunk (Paragraph 0110 lines 6-13, element 448), and the feeder and distribution blocks being cross-connected to provide voice telecommunication services to said subscribers (Paragraph 0105 lines 5-10, element 448) the method comprising the steps of: providing an enlarged enclosure



Art Unit: 2616

containing said feeder and distribution blocks; incorporating into said enlarged enclosure, along with said feeder and distribution blocks, a digital subscriber line access multiplexer connected to a digital subscriber line provider through a high-speed interface (Paragraph 0105 lines 15-20) and connecting said digital subscriber line access multiplexer through plural data connections to said distribution blocks (Paragraph 0111 lines 7-15 and figure 14 , elements 472, 474, 476, 478 are switches and elements 480,482, 484 are central office location and connected bidirectional interface) for providing digital subscriber line service at least to selected ones of said subscribers (Paragraph 0115 lines 4-12 and figure # 17 elements 592, 596). However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate

clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 4**, as applied to claim 3, **Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose a method according to claim above, wherein the step of incorporating a digital subscriber line access multiplexer (Paragraph 0115 lines 4-12 and figure # 17 elements 592, 596) into said enlarged enclosure includes the step of incorporating additional distribution blocks into said enlarged enclosure. However, **Victor et al.**, do not clearly disclose, distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose distribution blocks assigning step is

performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 5**, as applied to claim 3, **Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose a method, according to claim 3, wherein the step of incorporating a digital subscriber line access multiplexer into said enlarged enclosure includes the step of incorporating additional feeder blocks into said enlarged enclosure. The method according to claim 3, wherein the step of incorporating a digital subscriber line access multiplexer into (Paragraph 0105 lines 15-20) said enlarged enclosure includes the step of incorporating additional distribution and feeder blocks into said enlarged enclosure. (Column 1 lines 43-45).

**Consider claim 6**, as applied to claim 3, **Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose a method, according to claim 3, wherein the step of incorporating a digital subscriber line access multiplexer (Paragraph 0105 lines 15-20) into said enlarged enclosure includes the step of incorporating additional

distribution and feeder blocks into said enlarged enclosure. However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 7, Victor et al.**, clearly shows and discloses a method of retrofitting a conventional telecommunications serving area interface to incorporate digital subscriber line service comprising removing an existing cross-connect cabinet, and substituting for the removed cabinet a new cross-connect cabinet the interior of which

Art Unit: 2616

contains two compartments (Paragraph 0115 lines 4-12 and figure # 17 elements 592, 596) one compartment containing feeder and distribution blocks, and the other of the two compartments containing a digital subscriber line (Paragraph 0105 lines 5-10, element 448) access multiplexer and a splitter connected to said access multiplexer (Paragraph 0111 lines 15-20 and figure 14 , element 492 (terminal adapter which is a interface) and providing interconnections between the splitter in said other compartment and the feeder and distribution blocks in the one compartment. However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the

Art Unit: 2616

routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 8, Victor et al.**, clearly show and disclose a telecommunications interface comprising: an enclosure; feeder and distribution blocks within said enclosure, the distribution blocks being connected to a plurality of subscribers through subscriber lines (Paragraph 0105 lines 15-20) the feeder blocks being connected to a telecommunications trunk, and the feeder and distribution blocks being cross- connected to provide voice telecommunications services to said subscribers; and a broadband electronic multiplexer connected to a provider through a high-speed interface (Paragraph 0115 lines 4-12 and figure # 17 elements 592, 596) and being Connected through plural data connections to said distribution blocks for providing high speed, digital telecommunications service at least to selected ones of said subscribers (Paragraph 0111 lines 15-20 and figure 14 , element 492 (terminal adapter which is a interface)) wherein the multiplexer (Paragraph 0115 lines 4-12) is also located within said enclosure along with said feeder and distribution blocks.

However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 9, Victor et al.**, clearly shows and discloses a telecommunications interface comprising: an enclosure; feeder and distribution blocks within said enclosure, the distribution blocks being connected to a plurality of subscribers through subscriber lines (Paragraph 0105 lines 15-20) the feeder blocks being connected to a telecommunications trunk (column 1 lines 30-35) and the feeder and



Art Unit: 2616

distribution blocks being cross- connected (Paragraph 0018 lines 6-16) to provide voice telecommunications services to said subscribers (Paragraph 0105 lines 5-10, element 448) and a digital subscriber line access multiplexer connected to a digital subscriber line provider through a high-speed interface (Paragraph 0111 lines 15-20 and figure 14 , element 492 (terminal adapter which is a interface) and being connected through plural data connections to said distribution blocks for providing digital subscriber line service at least (Paragraph 0105 lines 15-20) to selected ones of said subscribers. However, **Victor et al.**, does not clearly discloses, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the

Art Unit: 2616

routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 10**, as applied to claim 9, **Victor et al.**, as modified by **Bremer et al.**, clearly show and disclose the telecommunications interface according to claim above wherein the digital subscriber line access multiplexer (Paragraph 0105 lines 15-20) is also located within said enclosure along with said feeder and distribution blocks. However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the

Art Unit: 2616

routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 11**, as applied to claim 9, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, including a splitter within said enclosure wherein the digital subscriber line (Paragraph 0105 lines 15-20) access multiplexer is connected (Paragraph 0111 lines 15-20 and figure 14, element 492 (terminal adapter which is a interface)) to the splitter, and wherein at least selected terminals of the feeder blocks are also connected to the splitter (column 1 lines 43-45). However, **Victor et al.**, does not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate

clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 12**, as applied to claim 11, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above wherein said plural data connections to said distribution (Paragraph 0111 lines 15-20 and figure 14, element 492 (terminal adapter which is a interface)) blocks are constituted by connections from the splitter to the distribution blocks (Paragraph 0111 lines 15-20 and figure 14, element 492 (terminal adapter which is a interface)) whereby selected subscribers connected to said distribution blocks are provided with both voice and digital subscriber line service over the same subscriber lines. However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2

Art Unit: 2616

(Distribution loop 9001-9008), 9005 (cross connect cabinet) F1  
(Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 13**, as applied to claim 9, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, including a splitter within said enclosure, wherein the digital subscriber line (Paragraph 0105 lines 15-20) access multiplexer is connected to the splitter, and wherein at least selected terminals of the feeder blocks are also connected to the splitter. However, **Victor et al.**, do not clearly disclose, along with feeder and distribution blocks.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2

(Distribution loop 9001-9008), 9005 (cross connect cabinet) F1  
(Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 14**, as applied to claim 13, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, wherein said blocks being accessible for cross-connection through an opening in the enclosure through which the multiplexer is not accessible (Paragraph 0018 lines 6-16) and said multiplexer being accessible (Paragraph 0111 lines 16-21) through an opening in said enclosure through which said blocks are not accessible for cross-connection(Paragraph 0111 lines 15-20 and figure 14, element 492 (terminal adapter which is a interface)) in which said plural data connections extend from the first compartment to the second

Art Unit: 2616

compartment. However **Victor et al.**, do not clearly disclose, data connections extend from the first compartment to the second compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose along with feeder and distribution blocks assigning step is performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 15**, as applied to claim 14, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, whereby digital subscriber line service (Paragraph 0105 lines 5-10) can be provided to subscribers by cross-connections made solely in said first



compartment (Paragraph 0018 lines 6-16). However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 16**, as applied to claim 9, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, in which the enclosure is divided into plural compartments containing at least one of a following element from a list comprising: said feeder and

distribution blocks; and said digital subscriber line (Paragraph 0105 lines 5-10) access multiplexer (Paragraph 0111 lines 16-21).

However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose is divided into plural compartments containing at least one of a following element from a list comprising provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 17**, as applied to claim 16, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the

Art Unit: 2616

telecommunications interface according to claim above, wherein said blocks being accessible for cross-connection through an opening in the enclosure through which the multiplexer is not accessible, and said multiplexer (Paragraph 0111 lines 16-21) being accessible through an opening in said enclosure through which said blocks are not accessible for cross-connection (Paragraph 0018 lines 6-16) in which said plural data connections extend from the first compartment to the second compartment. However **Victor et al.**, do not clearly disclose, data connections extend from the first compartment to the second compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose is divided into plural compartments containing at least one of a following element from a list comprising provided to subscribers by cross-connections made solely in said first compartment performed (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-

connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 18**, as applied to claim 17, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim above, wherein the number of said plural connections exceeds the number of said selected ones of said subscribers (column 1 lines 57-67) whereby digital subscriber line service can be provided to additional subscribers by cross-connections (column 2 lines 57-65) made solely in said first compartment. However **Victor et al.**, do not clearly disclose, made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to made solely in said first

compartment taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 19**, as applied to claim 16, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications interface according to claim 16, in which said compartments are separately lockable, whereby access to one compartment can be denied to an individual worker who is permitted access to the other compartment (Paragraph 0111 lines 16-21).

However **Victor et al.**, do not clearly disclose, whereby access to one compartment can be denied to an individual worker who is permitted access to the other compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose whereby access to one compartment can be denied to an individual worker who is permitted access to the other compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to made solely in said first compartment taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 20, Victor et al.**, clearly shows and discloses a telecommunications interface according a splitter within an enclosure, wherein the digital subscriber line access multiplexer is connected to the splitter (Paragraph 0111 lines 16-21) wherein at least selected terminals of feeder blocks are also connected to the splitter(Paragraph 0111 lines 7-15 and figure 14 , elements 472, 474, 476, 478 are switches and elements 480,482, 484 are central office location and connected bidirectional interface) wherein plural data connections to distribution blocks are constituted by connections from the splitter to the distribution blocks whereby selected subscribers connected to said distribution blocks are provided with both voice and digital subscriber line (Paragraph 0111 lines 15-20 and figure 14 , element 492 (terminal adapter which is a interface)) service over the

same subscriber lines, and in which the enclosure is divided into plural, separate compartments, a first of said compartments containing said feeder and distribution blocks, and a second of said compartments containing said digital subscriber line (column 1 lines 57-67) access multiplexer and said splitter. However, **Victor et al.**, do not clearly disclose, feeder and distribution blocks, and a second of said compartments containing said digital subscriber

In the same field of endeavor **Bremer et al.**, clearly show and disclose feeder and distribution blocks, and a second of said compartments containing said digital subscriber line (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose along with feeder and distribution blocks assigning step is performed as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.



**Consider claim 21**, as applied to claim 20, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses the telecommunications (column 1 lines 57-67) interface according to claim above, wherein said blocks being accessible for cross-connection (Paragraph 0018 lines 6-16) through an opening in the enclosure through which the multiplexer and splitter are not accessible, and said multiplexer (Paragraph 0111 lines 16-21) and splitter being accessible through an opening in said enclosure through which said blocks are not accessible for cross-connection (Paragraph 0018 lines 6-16). However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-

connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 22, Victor et al.**, clearly shows and discloses a telecommunications interface according to claim 21 in which said plural data connections extend from said first compartment to said second compartment, and including plural voice connections from said feeder blocks in said first compartment to said splitter in said second compartment (Paragraph 0111 lines 7-15 and figure 14 , elements 472, 474, 476, 478 are switches and elements 480,482, 484 are central office location and connected bidirectional interface), whereby digital subscriber line service (Paragraph 0018 lines 6-16) and combined voice and digital subscriber line service (Paragraph 0018 lines 6-16) can be provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0018 lines 6-16). However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose is divided into plural compartments containing at least one of a following element from a list comprising provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 23, Victor et al.**, clearly shows and discloses a telecommunications interface according to claim 23, comprising: a feeder block; a distribution block; subscriber lines (Paragraph 0018 lines 6-16) coupled to the distribution block; and a digital subscriber line access multiplexer (Paragraph 0111 lines 16-21) coupled to the feeder block; wherein the feeder block and the distribution block are cross-connected (Paragraph 0018 lines 6-16) to provide voice

telecommunications services to said subscribers; and wherein the digital subscriber line access multiplexer is connected to a digital subscriber line provider (Paragraph 0018 lines 6-16) adapted to provide digital subscriber line service at least to selected ones of said subscribers. However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose is divided into plural compartments containing at least one of a following element from a list comprising provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

**Consider claim 24**, as applied to claim 23, **Victor et al.**, as modified by **Bremer et al.**, clearly shows and discloses a telecommunications interface according to claim above, wherein the feeder block is coupled to a DLC cabinet exterior to the enclosure (Paragraph 0018 lines 6-16). However, **Victor et al.**, do not clearly disclose, provided to subscribers by cross-connections made solely in said first compartment.

In the same field of endeavor **Bremer et al.**, clearly show and disclose is divided into plural compartments containing at least one of a following element from a list comprising provided to subscribers by cross-connections made solely in said first compartment (Paragraph 0094 lines 1-28 and figure 9, elements F2 (Distribution loop 9001-9008), 9005 (cross connect cabinet) F1 (Feeder loop 9501-9560)).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate clearly show and disclose provided to subscribers by cross-connections made solely in said first compartment as taught by **Bremer et al.**, with the routing method disclosed by **Victor et al.**, for the purpose of secure and traffic through a secure port.

### **Conclusion**

Any response to this Office Action should be **faxed to** (571) 273-8300

**or mailed to:**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Hand-delivered responses** should be brought to

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Syed Zaidi whose telephone number is (571) 270-1779. The Examiner can normally be reached on Monday-Thursday from 6:30am to 5:00pm.

If attempts to reach the Examiner by telephone are

Unsuccessful, the Examiner's supervisor, Seema S.Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

Art Unit: 2616

Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Syed Zaidi  
S.Z/s.z

Aug 28th, 2007.

*Seema S. Rao*  
SEEMA S. RAO 9/4/07  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600